

Title (en)
METHODS FOR MANUFACTURING A REGENERATED TOOTH UNIT

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER WIEDERHERGESTELLTEN ZAHNEINHEIT

Title (fr)
PROCÉDÉS POUR FABRIQUER UNE UNITÉ DENTAIRE RÉGÉNÉRÉE

Publication
EP 2556843 A4 20151216 (EN)

Application
EP 11765327 A 20110315

Priority
• JP 2010196009 A 20100901
• JP 2010088967 A 20100407
• JP 2011056007 W 20110315

Abstract (en)
[origin: EP2556843A1] Problem to be Solved The object of the present invention is to provide a method for culturing a regenerated tooth germ so that the shape of the tooth is not restricted by pressure or space even when cultured in vivo and the extension of the tooth can also be controlled. It is also an object to provide a method which allows transplantation of a regenerated tooth even when the missing tooth site is large. Solution The present invention provides a method for manufacturing a regenerated tooth unit comprising a step of disposing and culturing a regenerated tooth germ inside a spacer in vivo in the body of a mammal, wherein said spacer is configured so as to enable prevention of excessive pressure being applied to said regenerated tooth germ from a tissue inside the body of said mammal, and prevention of said regenerated tooth germ being extended to more than the maximum tolerance; and configured such that the regenerated tooth germ disposed inside is communicatable with the exterior of the spacer. A method for manufacturing a regenerated tooth unit comprising a step of disposing and culturing multiple regenerated tooth germs inside a spacer in vivo in the body of a mammal is also provided.

IPC 8 full level
A61L 27/24 (2006.01); **A61L 27/38** (2006.01)

CPC (source: EP KR US)
A61C 13/08 (2013.01 - US); **A61D 5/00** (2013.01 - US); **A61L 27/00** (2013.01 - KR); **A61L 27/24** (2013.01 - EP US);
A61L 27/38 (2013.01 - EP KR US); **A61L 27/3813** (2013.01 - EP US); **A61L 27/3834** (2013.01 - EP US); **A61L 27/3886** (2013.01 - EP US);
A61P 43/00 (2017.12 - EP); **A61L 2430/12** (2013.01 - EP US)

Citation (search report)
• [X] US 2007231275 A1 20071004 - UEDA MINORU [JP]
• [X] US 2005079470 A1 20050414 - RUTHERFORD BRUCE [US], et al
• See references of WO 2011125425A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2556843 A1 20130213; EP 2556843 A4 20151216; AU 2011236302 A1 20121011; AU 2011236302 B2 20140501; CA 2794694 A1 20111013;
CN 102869390 A 20130109; JP 5868844 B2 20160224; JP WO2011125425 A1 20130708; KR 20130033366 A 20130403;
RU 2012146361 A 20140510; SG 10201502272P A 20150528; SG 184329 A1 20121030; TW 201201868 A 20120116;
US 2013089827 A1 20130411; US 2013101951 A1 20130425; WO 2011125425 A1 20111013

DOCDB simple family (application)
EP 11765327 A 20110315; AU 2011236302 A 20110315; CA 2794694 A 20110315; CN 201180017764 A 20110315;
JP 2011056007 W 20110315; JP 2012509373 A 20110315; KR 20127027686 A 20110315; RU 2012146361 A 20110315;
SG 10201502272P A 20110315; SG 2012072229 A 20110315; TW 100110779 A 20110329; US 201113638962 A 20110315;
US 201113638963 A 20110315